



November 13, 2017

ATTN: MATT NELSON
IOWA CORN BEEF
P.O. BOX 176
HARMONY, MN 55939

SUBJECT: Animal Feeding Operation (AFO) Compliance Inspection for:
- Iowa Corn Beef, County – Winneshiek, Facility #56882

Dear Mr. Nelson:

Attached is a copy of the report resulting from the Animal Feeding Operation (AFO) facility compliance inspection conducted on November 1, 2017.

Your attention is directed to the recommendations portion of the report.

If you have any questions, or feel this report does not represent the conditions at your facility, please call me at 563/927-2640.

The cooperation and assistance provided by you during the inspection is appreciated.

Sincerely,

Chris Gelner, Environmental Specialist
christopher.gelner@dnr.iowa.gov
Field Services and Compliance Bureau

c: -Stephen Pollard, U.S. EPA Region 7, WWPD/WENF, 11201 Renner Blvd., Lenexa, KS 66219
-Ken Hessenius, FO#3, AFO Enforcement Coordinator, Spencer, IA

enc: -AFO Facility Inspection Report
-Animal Feeding Operation (AFO) Regulatory Status Form
-Aerial Photos of Site

Efile: 96 AFO Cresco 56882 Iowa Corn Beef 110117 Inspection csg

IOWA DEPARTMENT OF NATURAL RESOURCES

AFO INSPECTION REPORT

FACILITY DESCRIPTION

FACILITY LOCATION	Facility: Iowa Corn Beef			Facility ID#: 56882	
	Address: 3846 318 th Avenue		City: Cresco	State: IA	Zip: 52136
	PLSS: Section 10, Fremont Township (T100N, R10W), Winneshiek County				
OWNER	Name: Matt Nelson				
	Address:		City:	State:	Zip:
ANIMAL HOUSING TYPE	<input type="checkbox"/> Confinement <input type="checkbox"/> Open Lot <input checked="" type="checkbox"/> Combined (Confinement & Open Lot)				
ANIMAL INFORMATION	Animal Type(s)	Capacity	Current Head	Number of Bldgs./Pens	
	Cattle – Finish Open Feedlot	900	865	4	
	Cattle – Finish Confinement	1,300	1,100	2	
	Date of Construction: 1976		Dates of Expansion: 2012 – rebuilt confinement after storm damage		

INSPECTION INFORMATION

INSPECTION DATE	This Inspection 11/01/2017		Last Inspection: 03/26/2003	
PERSONS INTERVIEWED	Name: Matt Nelson		Title: Owner/Contact	
	Name:		Title:	
NEAREST WATERCOURSE	Stream Name: Elliot Creek			
	Description of Flow Path: East about 860 ft to Elliot Creek			

COMPLIANCE SUMMARY

OBSERVATIONS	Nutrient Management: <input type="checkbox"/> CNMP <input type="checkbox"/> NMP <input type="checkbox"/> MMP <input type="checkbox"/> Other <input checked="" type="checkbox"/> No formal plan		
	Manure Stockpiling: <input type="checkbox"/> In controlled area <input type="checkbox"/> In compliance with rules <input checked="" type="checkbox"/> Not applicable – direct haul <input type="checkbox"/> Stockpiling in an uncontrolled area	Mortality Management: <input type="checkbox"/> Rendering <input checked="" type="checkbox"/> Composting <input type="checkbox"/> Incineration <input type="checkbox"/> On-site burial <input type="checkbox"/> Landfill	Runoff from Feed Storage: <input type="checkbox"/> No outdoor feed storage area <input checked="" type="checkbox"/> Discharge from feedstock storage area is controlled <input type="checkbox"/> Feed storage is located in an uncontrolled area
	Clean Water Diverted: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Discharge to a Water of the U.S. via Manmade Conveyance: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Direct Animal Contact with Waters of the U.S.: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	Adjacent Facilities (by same owner/operator): <input type="checkbox"/> Confinement <input type="checkbox"/> Open Lot <input checked="" type="checkbox"/> None		
	Evidence of Discharges: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
	NPDES PERMIT STATUS The facility, as observed during the inspection, was a Large CAFO and did not need an NPDES permit. NPDES permit is required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
COMPLIANCE STATUS This facility appeared to be in compliance with Iowa's environmental regulations at the time of the inspection. Actual conditions may vary over time with the operation and maintenance of the facility. Facility is in compliance: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

AUTHENTICATION	Inspector: <i>Chris Beltrami</i>	Date: 11/7/17	Reviewer: <i>J. Jorgensen</i>	Date: 11/13/17
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IOWA DEPARTMENT OF NATURAL RESOURCES
AFO INSPECTION REPORT

FACILITY EVALUATION

Facility

This facility consists of (2) confinement buildings housing a capacity of 1,300 finish beef cattle and several open feedlots with a capacity to house 900 head of beef cattle. Confinement manure is stored in below-building pits. Manure from the open feedlots is stockpiled in the pens. Manure structures were observed during the inspection and no discharge was noted. Mortalities are disposed of by composting onsite. Mr. Matt Nelson was present and interviewed during the inspection.

Manure Management Plan (MMP)/Nutrient Management Plan (NMP)

The confinement structures were constructed in 1976, before manure management plan requirements were in place. Although it is not required, it is recommended that an MMP be developed to better account for nutrients being utilized in the field. Mr. Nelson does maintain records of actual manure application. Mr. Nelson had an NMP developed in 2012 while submitting an NPDES application. It was later determined that the facility claimed "no discharge" so the permit was not issued. The NMP has not been kept current. Although it is not required, it is recommended that the NMP be brought up to date to better account for nutrients and their use in the field.

Feedstuffs

During the inspection it was noted that all feedstuffs are stored in a commodity building or under plastic to reduce runoff and potential violations of state water quality standards. Be aware that feedstocks have the potential to cause water quality violations and these areas should be monitored regularly for discharges. Paragraph 567 Iowa Administration Code 61.3(2) outlines general surface water quality criteria and requires that all surface waters be free from wastewater discharges or agricultural practices that produce stream conditions with objectionable color, odor or other aesthetically objectionable conditions.

Open Feedlot Settling Structures

Downslope of the feedlots are (3) grassed settling areas. It appeared that all waste from the feedlots, the feed storage area, and the mortality staging area flows into one of the settling areas. The settling areas consist of a flat grassed area with berms built around. The settled effluent flows through the structure and then through a series of sinuous grassed waterways. No evidence of discharge was observed and no evidence of past discharges was observed.

Clean Water Diversion

During the inspection it was noted that measures have been taken to divert storm water from entering the production areas. Proper grading of the farm diverts surface water from entering the feedlots and feed storage areas and directs water away from the production areas. Roof water from the confinement buildings is collected in a grassed area before it is directed into a surface intake to be directed under the feedlots. It is recommended that the facility be inspected following a rain event to determine the flow patterns and to better understand what methods to make further reductions may be most cost effective and practical. No discharge or evidence of past discharge was observed during the inspection.

Dead Animal Composting

Dead animals are disposed of by composting. During the facility inspection the uncovered compost area was observed. Wood shavings are used as bulking agent. No evidence of compost leachate runoff leaving the compost area or ponding water in the area was observed. As a reminder, livestock mortalities must be incorporated into the composting process within 24 hours after death. The compost must be maintained with an adequate base layer (from 12 to 24 inches thick, depending on the size and number of mortalities), with 6 to 12 inches between carcasses, and an additional 12 inches of cover material around carcasses at all times. Cover should be maintained to control runoff and to prevent access by scavenging animals. This part of the operation should be inspected frequently.

Bio-Security

Prior to the inspection, bio-security was discussed with Mr. Nelson and it was agreed upon that DNR bio-security SOP would be followed. DNR bio-security SOP was followed during the inspection.

RECOMMENDATIONS

- Regularly walk around the facility to monitor for discharges and needed repairs.
- Develop nutrient management plans for confinement and open feedlot manure.

SUMMARY

- The facility, as observed, was considered a Large CAFO based on the capacity of animals at the animal feeding operation.
- No discharge was observed during the inspection and no evidence of past discharge was observed. No NPDES permit is required at this time.



Animal Feeding Operation (AFO) Regulatory Status

Facility Name: Iowa Corn Beef Facility ID: 56882 County: Winneshek

- ☐ Large CAFO – Discharging – NPDES Permit Required
- ☒ Large CAFO – No discharge – No NPDES Permit Required
- ☐ Large CAFO – Has NPDES Permit
- ☐ Medium CAFO – NPDES Permit Required
- ☐ Medium AFO – No NPDES Required
- ☐ Medium AFO – Has NPDES Permit
- ☐ Designated CAFO – NPDES Permit Required
- ☐ Small AFO – No NPDES Permit Required

This determination was made based on conditions and observations made at the time of the inspection on 11/01/2017. Please note that the regulatory status of the facility can change if conditions at the facility change or are different from those documented during the inspection.

Inspector: Chris Adams Date: 11/7/17

Regulatory Definitions of Large CAFOs, Medium CAFOs, and Small CAFOs

These regulatory definitions are from the Code of Federal Regulations (CFR), implementing the federal Clean Water Act.

A **Large CAFO** confines at least the number of animals described in the table below.

A **Medium CAFO** falls within the size range in the table below and either:

- “(A) Pollutants are discharged into waters of the United States through a man-made ditch, flushing system, or other similar man-made device; or
- (B) Pollutants are discharged directly into waters of the United States which originate outside of and pass over, across, or through the facility or otherwise come into direct contact with the animals confined in the operation.” 40 CFR 122.23(b)(6)(ii)

If an operation is found to be a significant contributor of pollutants to waters of the United States, the permitting authority may designate a medium-sized facility as a CAFO as provided in 40 CFR 122.23(c).

A **Small CAFO** confines the number of animals listed in the table and has been designated as a CAFO by the permitting authority after determining that it is a significant contributor of pollutants to waters of the United States as provided in 40 CFR 122.23(c).

Animal Sector	Size Thresholds (number of animals)		
	Large CAFOs	Medium CAFOs	Small CAFOs
cattle or cow/calf pairs	1,000 or more	300 – 999	less than 300
mature dairy cattle	700 or more	200 – 699	less than 200
veal calves	1,000 or more	300 – 999	less than 300
swine (weighing over 55 pounds)	2,500 or more	750 – 2,499	less than 750
swine (weighing less than 55 pounds)	10,000 or more	3,000 – 9,999	less than 3,000
horses	500 or more	150 – 499	less than 150
sheep or lambs	10,000 or more	3,000 – 9,999	less than 3,000
turkeys	55,000 or more	16,500 – 54,999	less than 16,500
chickens other than laying hens (other than a liquid manure handling system)	125,000 or more	37,500 – 124,999	less than 37,500
laying hens (other than a liquid manure handling system)	82,000 or more	25,000 – 81,999	less than 25,000

Iowa Corn Beef
3846 318th Avenue
Cresco, Iowa 52136
Facility ID# 56882

